

IN THE CLAIMS

Please replace any previous listing of the claims with the following replacement listing of the claims:

Replacement Listing of the Claims

- 1-7. (Canceled)
8. (Previously presented) An oven as claimed in claim 17, further comprising a heating element located downstream of said fan.
9. (Previously presented) An oven as claimed in claim 17, further comprising a microwave heating means.
10. (Canceled)
11. (Previously presented) An oven as claimed in claim 17, wherein said baffle plate is rectangular and is arranged so that said space is between all four edges of the baffle plate and said chamber walls.
- 12-15. (Canceled)
16. (Previously presented) An oven as claimed in claim 17, wherein said baffle plate is positioned for air to flow from said fan area around said opposite edges into said cooking area and to return to said fan area via said grease filter, said catalytic converter and said perforations.
17. (Previously presented) An oven comprising:
a cooking chamber defined by chamber walls;

a baffle plate supported in said cooking chamber to define a cooking area and a fan area so that a space is provided between at least two opposite edges of said baffle plate and said chamber walls, said baffle plate comprising a plurality of perforations;

a catalytic converter mounted to an upstream face of said baffle plate to cover all of said perforations;

a grease filter mounted on an upstream side of said catalytic converter;
and

a fan disposed in said fan area to circulate air between said cooking area and said fan area via said space, said grease filter, said catalytic converter, said perforations and said fan, wherein cooking byproducts entrained in the air in said cooking area are substantially removed by said grease filter and said catalytic converter before the air exits said cooking area via said perforations and do not contaminate said fan.

18. (Previously presented) the oven of claim 17, wherein said cooking byproducts comprise grease and smoke.

19. (Previously presented) The oven of claim 18, wherein said catalytic converter has a thickness of about two centimeters.

20. (Previously presented) The oven of claim 17, wherein said catalytic converter and said grease filter are located within said cooking area.

21. (New) An oven comprising:

a cooking chamber defined by chamber walls;

a baffle plate supported in said cooking chamber to define a cooking area and a fan area so that a space is provided between at least two opposite edges of said baffle plate and said chamber walls, said baffle plate comprising a plurality of perforations;

a retrofit assembly mounted on a side of said baffle plate that faces said cooking area in a manner that covers all of said perforations, said retrofit assembly comprising a catalytic converter having first and second opposed surfaces and a grease filter mounted on said first surface of said catalytic converter, wherein said second surface of said catalytic converter faces said perforations; and

a fan disposed in said fan area to circulate air between said cooking area and said fan area via said space, said grease filter, said catalytic converter, said perforations and said fan, wherein cooking byproducts entrained in the air in said cooking area are substantially removed by said grease filter and said catalytic converter before the air exits said cooking area via said perforations and do not contaminate said fan.

22. (New) A method of retrofitting an oven for the reduction of smoke and cooking by-products entrained in a circulating air stream, wherein said oven comprises a baffle plate with a plurality of perforations for pass through of said circulating air, said method comprising:

affixing a retrofit assembly to said baffle plate so as to cover all of said perforations, wherein said retrofit assembly comprises a catalytic converter having first and second opposed surfaces and a grease filter mounted on said first surface of said catalytic converter, wherein said second surface of said catalytic converter faces said perforations.